

Photosynthesis: Data Sheet

NAME: _____ CLASS: _____ DATE: _____

Table 1: Reactions of Photosynthesis

Reaction	Reactants	→	Products
Thylakoid		→	
Stroma		→	
Combined		→	

Table 2: Light-Dependence of Photosynthesis

White Light vs. Dark				
Light Condition		Photosynthetic Efficiency (%)		
White Light (Day)				
Dark (Night)				
Effect of Light of Specific Wavelengths				
Wavelength Range (nm)	Light Colors	Is the light absorbed? (yes/no)	General Observations	Photosynthetic Efficiency (%)
400-430				
430-460				
460-490				
490-520				
520-550				
550-580				
580-610				
610-640				
640-670				
670-700				

Table 3: Effect of CO₂:O₂ Ratio on Photosynthesis

CO ₂ :O ₂ Ratio	General Observations	Photosynthetic Efficiency (%)
High:Low		
Low:Low		
Low:High		
High:High		

Graph 1: _____